Neurotoxicology and Teratology, Vol. 14, III–V, 1992
Printed in the U.S.A. All rights reserved.

0892-0362/92 $5.00 + .00
Copyright © 1992 Pergamon Press Ltd.

KEYWORD INDEX

Acetylcholinesterase, 229
Acetylcholinetransferase (CAT) activity, 259
Acoustic startle, 15
Acrylamide neurotoxicity in rats, 273
Activity, 337, 343
Adjusted *F* tests, 205
Aging, 383
Alcohol, 167, 299, 359
Aluminum lactate, 177, 259
Aluminum, 177
Amfonelic acid, 337
Amygdala, 143, 151
Analysis of variance, 205
Animal care and use, 253
Animal experiences, 81
Anticonvulsants, 329
Antipsychotic drugs, 399
Arecoline, 73
Attention, 103, 299, 433
Attentional deficit disorder, 299
Attenuation of behavioral effects by early experience, 235
Auditory processing, 51

Behavior, 119, 177, 359
Behavioral effects of lead in the monkey, 235
Behavioral neurotoxicology, 167
Behavioral sensitization, 7
Behavioral teratology of diphenylhydantoin, 111
Behavioral teratology, 15
Bioavailability of phenytoin, 159
Brain blood flow, 285
Brain, 177, 229
Branched chain amino acids, 35

C57 mice, 365
Carbon monoxide, 285
Carboxyhemoglobin, 285
Cd, 247
Cell culture, 247
Chemical kindling, 151
Child development, 321
Children, 51, 299
Chlorinated hydrocarbons, 143, 151
Choline acetyltransferase, 375
Choline transporter sites, 375
Cholinergic nerve terminals, 375
Choosing sample size, 211
Chronic exposure, 265
Cigarettes, 299
CNS, 177
Cocaine, 57, 97, 229, 313, 337, 343, 359, 415
Cognition, 131
Cognitive development, 51
Cognitive dysfunction, 329
Cohort study, 321
Computerized tests, 103
Congenital brain defects, 383
Consciousness, 253
CPP, 57
Critical periods, 365
Cyclodienes, 143, 151

Decapitation, 253
Delayed alternation, 235
Development, 7, 177, 183, 337, 343
Developmental disabilites, 383
Developmental neurotoxicology, 199
Developmental toxicology, 15
Developmental, 265
Differentiation, 247
Diphenylhydantoin and reproduction, 111
Diphenylhydantoin developmental toxicity, 111
Diphenylhydantoin, 111
Discrimination reversal, 235
Diuresis, 313
Dose effects, 167
Dose equivalency, 167
Dose-reponse relationship, 167
DRL, 235
Drug abuse, 57

Endosulfan, 143, 151
Ethanol, 365
Euthanasia, 253
Experimental design issues, 199
Experimental design, 221

FAE, 365
Fear, 359
Fetal alchohol syndrome, 433
Fetal alcohol effects, 291
Fetal hydantoin syndrome, 111
Fetal, 265
Fetus, 119
Finding no effect, 211
Fixed ratio, 365
Fostering, 415
Frontal cortex, 131
Functional observational battery, 273

Gestation, 337
Glial fibrillary acidic protein, 247
Glioma cells, 247
Growth retardation, 177
Growth, 407

Habituation, 433
HCB, 15
^{3}H-DAMGO, 265
Heart-rate, 433
Heavy metals, 247
Hemicholinium-3 binding sites, 375
Hexachlorobenzene, 15
2,5-hexanedione neurotoxicity in rats, 273
Hippocampus, 375
Human experiences, 81
Hypoxia, 119, 253

Impusivity, 299
In vitro, 247
Independence, 221
Infant development, 97
Interaction, 321
Intrauterine, 229

Kindling, 143, 151

Lactation, 177
Lead and behavior, 235
Lead, 51, 73, 131, 321
Learning abilities, 259
Learning, 35, 103, 131
Lesion model, 131
Limbic system, 131
Litter effects, 221
Locomotor activity, 1, 43

Marihuana, 299, 407
Maternal behavior, 415
Maternal hyperphenylalaninemia, 35
Maternal phenylketonuria, 35
Maternal water consumption, 313
Maternal, 265
Mechanism of solvent toxicity, 81
Memory, 103, 131
Meta-analysis, 211
Methadone, 65, 265
Methylazoxymethanol acetate, 383
Mice, 177, 199
Micrencephaly, 383
Microcephaly, 191
Monkey(s), 73, 131
Monkey, 433
Mood, 103
Morphology, 407
Motor development, 97

Mouse cerebellum, 159
Mouse development, 1
Mouse, 191, 229, 313
Muscimol, 1

Neonatal period, 159
Neophobia, 343
Nervous system, 247
Neurobehavioral teratology, 221
Neurobehavioral tests, 103
Neurobehavioral, 177
Neurochemistry, 119
Neuropsychological effect, 321
Neuroteratology, 15
Neurotoxicity, 247
New method for measuring activity, 43
Nicotine, 375

Ochratoxin A, 191
Offspring learning, 35
Olfaction, 291
Olfactory bulbs, 291
Open field, 73
Open-field activity, 343
Opioid abstinence, 65
Opioid μ-receptors, 265
Orienting response, 433
Ornithine decarboxylase, 119
Osmotic minipump, 65

Pain reactivity, 1
Pain, 253
Pb, 247
PCBs, 131
PCP, 7
Peer group social behavior, 433
Performance tests, 167
Perinatal exposure, 433
Pesticide, 143
Phencyclidine, 7
Phenytoin, 111, 159
Polyamines, 119
Polybrominated biphenyls, 199
Polydipsia, 313
Porsolt swim test, 359
Postnatal maturation, 313
Power, 221
Pregnancy, 177, 299, 313, 359, 407
Prenatal alcohol exposure, 433
Prenatal benzodiazepine exposure, 1
Prenatal cocaine, 183
Prenatal diphenylhydantoin, 111
Prenatal drug exposure, 57, 359, 415
Prenatal phenytoin and hyperactivity, 43
Prenatal, 65, 119, 313, 337, 343
Proconvulsant, 143, 151
Psychotropic medication, 399

Rat intoxication, 259
Rat(s), 35, 43, 65, 183, 359, 433
Reaction time, 103
Reflexes, 177
Reliability, 103
Repeated measures, 205
Reproduction, 177
Research design, 211
Rest-activity cycle, 65
Reward, 57
Risk assessment, 167

S100, 247
Schizophrenia, 399
Scopolamine, 73
Seizures, 143, 151
Sensitivity analysis, 211
Sensitization, 151
Somatosensory cortex, 191
Spatial navigation, 383
Spontaneous alternation, 343
Statistical assumptions, 221
Stimulants, 343
Stimulation, 337
Stress, 7, 359
Striatum, 375
Synapse-to-neuron ratio, 191

TCDD, 433
Teratogenic effects, 291
Teratology, 57, 415
2,3,7,8-tetrachlorodibenzo-*p*-dioxin, 433
Tobacco, 407
Toxicant effects, 131
Toxicity, 177
Trace metals, 177
Transferrin receptor, 247

Ultrasonic vocalization, 183

Video tracking activity, 43
Violation of assumptions, 221
Visuomotor performance, 103

Wall climbing, 183
Water maze, 343
Weanling, 177

AUTHOR INDEX

Acuff-Smith, K. D., 35, 43
Alleva, E., 1
Anderson, D. R., 343
Arcia, E., 103
Arlien-Soborg, P., 81
Arnold, H. M., 423
Auerbach, J. G., 399

Baghurst, P. A., 321
Barron, S., 291
Benignus, V. A., 211, 285
Berger, O. G., 51
Bernuzzi, V., 259
Berry, H. K., 35
Bilitzke, P. J., 359
Bowman, R. E., 73, 131, 298, 433
Brake, S. C., 65
Buelke-Sam, J., 197, 205
Burnel, D., 259
Butcher, R. E., 43

Cain, C. D., 119
Campbell, B. A., 393
Chasnoff, I. J., 97
Cherroret, G., 259
Chiarotti, F., 1
Church, M. W., 313, 359
Church, S., 65
Coles, C. D., 23
Cornelius, M., 407

Darmani, N. A., 265
Day, M., 407
Desor, D., 259
Dietrich, K. N., 51
Dunlap, W. P., 167

Ehrich, M., 273
Evans, H. L., 371

Falek, A., 23
Ferguson, S. A., 73, 433
Fried, P. A., 299
Fukui, Y., 191

Gentry, G. D., 365
Gershwin, M. E., 177
Gilbert, M. E., 143, 151
Goldey, E. S., 15
Goldschmidt, L., 407
Golub, M. S., 177
Goodwin, G. A., 423
Gray, R., 299

Handa, R. J., 351
Hans, S. L., 399
Hansen, L., 81
Harvey, E. A., 329
Hayasaka, S., 191
Hayne, H., 393
Hermans, R. H. M., 119
Hess, H., 393
Heyser, C. J., 57, 415, 423
Holmes, L. B., 329
Holson, R. R., 7, 197, 221, 253
Hunter, D. E., 119
Hutchings, D. E., 65
Hutin, M.-F., 259

Itoh, M., 191

James, M. E., 23
Jersey, R. M., 111
Johns, J. M., 337, 343
Jortner, B. S., 273

Keen, C. L., 177
Keith, R. W., 51
Kennedy, R. S., 167
Kobayashi, T., 159, 373
Korbmacher, A., 247

Ladefoged, O., 81
Lappi, S. E., 375
Laviola, G., 1
Lee, M., 383
Lehr, P. R., 259
Levin, E. D., 131, 298
Longo, L. D., 119

Macdonald, N. R., 183
Maeir, S., 399
Malowany, D., 65
Marcus, J., 399
Martin, B. R., 265
Mathews, S. V., 229
McCook, E. C., 375
McGivern, R. F., 119, 351
McKinzie, D. L., 423
McMichael, A. J., 321
McMillen, B. A., 337, 343
Means, L. W., 337, 343
Means, M. J., 337, 343
Meyer, J. S., 183
Middaugh, L. D., 365
Miller, J. S., 57
Minck, D. R., 35, 43
Molina, V. A., 415, 423
Moody, C. A., 423
Muller, K. E., 211

Nero, T.-J., 65
Newlin-Clapp, L., 285

Ohmori, H., 159, 373
Otto, D. A., 103

Pandey, U., 265
Pearce, B., 221
Petrovick, M. K., 285
Pizzi, W. J., 111
Platzman, K. A., 23
Prah, J. D., 285

Rabe, A., 383
Rajachandran, L., 423
Rauch, H. C., 313
Raum, W. J., 351
Rice, D. C., 235
Richardson, G., 407
Riley, E. P., 291
Robertson, E. F., 321
Robles, N., 407
Rozum, M., 273

Scalzo, F. M., 7
Schantz, S. L., 131, 298, 433
Schneider, J. W., 97
Schnell, R. R., 329
Schnoll, S. H., 265
Seidler, F. J., 375
Shell, L., 273
Sherlock, J. D., 183
Simonsen, L., 81
Slotkin, T. A., 375
Smith, I., 23
Sokol, R. Z., 351
Spear, L. P., 57, 415, 423
Spear, N. E., 57, 423
Stark, M., 247
Subba Rao, G., 229
Succop, P. A., 51

Takeuchi, Y., 191
Tamura, R. N., 205
Taylor, D. H., 15
Taylor, P., 407
Tilson, H. A., 199
Tong, S.-L., 321
Turnage, J. J., 167
Tyrala, E. E., 229

VanOverloop, D., 329
Vimpani, G. V., 321
Vorhees, C. V., 35, 43

Watkinson, B., 299
Weisenburger, W. P., 35
Wigg, N. R., 321
Wolff, J. E. A., 247

Yanai, J., 375
Yasuda, M., 159, 373

Zahalka, E. A., 375
Zmitrovich, A., 65

MB